

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code
Firm Fixed Price

Page 1 Of 13

2. Amendment/Modification No. 0007	3. Effective Date 2014AUG28	4. Requisition/Purchase Req No. SEE SCHEDULE	5. Project No. (If applicable)
---------------------------------------	--------------------------------	---	--------------------------------

6. Issued By U.S. ARMY CONTRACTING COMMAND LIZ WEARN WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL EMAIL: ELIZABETH.A.WEARN.CIV@MAIL.MIL	Code W56HZV	7. Administered By (If other than Item 6)	Code
---	----------------	---	------

8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code)	<input checked="" type="checkbox"/>	9A. Amendment Of Solicitation No. W56HZV-14-R-0032
		9B. Dated (See Item 11) 2014AUG01
	<input type="checkbox"/>	10A. Modification Of Contract/Order No.
		10B. Dated (See Item 13)
Code	Facility Code	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers

is extended, is not extended.

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods:
(a) By completing items 8 and 15, and returning 2 signed copies of the amendments; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. **FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.** If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting And Appropriation Data (If required)

**13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS
It Modifies The Contract/Order No. As Described In Item 14.**

<input type="checkbox"/>	A. This Change Order is Issued Pursuant To: The Contract/Order No. In Item 10A.	The Changes Set Forth In Item 14 Are Made In
<input type="checkbox"/>	B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).	
<input type="checkbox"/>	C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of:	
<input type="checkbox"/>	D. Other (Specify type of modification and authority)	

E. IMPORTANT: Contractor is not, is required to sign this document and return _____ copies to the Issuing Office.

14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

SEE SECOND PAGE FOR DESCRIPTION

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name And Title Of Signer (Type or print)		16A. Name And Title Of Contracting Officer (Type or print)	
15B. Contractor/Offeror (Signature of person authorized to sign)	15C. Date Signed	16B. United States Of America By _____ /SIGNED/ (Signature of Contracting Officer)	16C. Date Signed

Name of Offeror or Contractor:

SECTION A - SUPPLEMENTAL INFORMATION

Buyer Name: LIZ WEARN
 Buyer Office Symbol/Telephone Number: CCTA-ASM-A/(586)282-9656
 Type of Contract: Firm Fixed Price
 Kind of Contract: Research and Development Contracts

*** End of Narrative A0000 ***

The purpose of Amendment 0007 is to revise the following language:

1. SECTION L - Revise Section L.1.2 as follows:

FROM: L.1.2 Proposal Content: The offerors proposal shall be submitted in five separate volumes, as set forth below. Proposals shall not contain citations or links to other websites. All proposal information shall be in the English language. Proposals shall be submitted on standard 8.5 x 11 paper. Font size shall be no smaller than 10 point with margins no less than 1 inch (top, bottom, left, and right) excluding headers, footers, and page numbers. The offeror shall number each page and provide an index/Table of Contents with each volume. The index/table of contents will not be subject to the page limit(s) set forth below. Drawings and graphics included within the proposal that may be more appropriate to use larger paper may utilize no larger than 11 x 17 paper. Graphic presentations, including tables, while not subject to the 10 point font size and spacing requirements, shall have spacing and text that is easily readable. The complete set of volumes shall be accompanied by a cover letter prepared on the company's letterhead. Each of the volumes shall be separated and labeled with full pagination. The proposal shall include a volume for each of the evaluation factors. The offeror's proposal shall be uploaded to the Army Single Face to Industry (ASFI) Bid Response System (BRS) website (in accordance with paragraph L.1.4), clearly labeled, with volumes divided as follows:

<u>Volume #</u>	<u>Volume Title</u>	<u>Page Limits</u>
Volume I:	Proposal Terms and Conditions	N/A
Volume II:	Experience Factor	30 pages
Volume III:	Technical Factor	25 pages
Volume IV:	Cost/Price Factor	N/A
Volume V:	Small Business Participation Factor	N/A

TO: L.1.2 Proposal Content: The offerors proposal shall be submitted in five separate volumes, as set forth below. Proposals shall not contain citations or links to other websites. All proposal information shall be in the English language. Proposals shall be submitted on standard 8.5 x 11 paper. Font size shall be no smaller than 10 point with margins no less than 1 inch (top, bottom, left, and right) excluding headers, footers, and page numbers. The offeror shall number each page and provide an index/Table of Contents with each volume. The index/table of contents will not be subject to the page limit(s) set forth below. Drawings and graphics included within the proposal that may be more appropriate to use larger paper may utilize no larger than 11 x 17 paper. Graphic presentations, including tables, while not subject to the 10 point font size and spacing requirements, shall have spacing and text that is easily readable. The complete set of volumes shall be accompanied by a cover letter prepared on the company's letterhead. Each of the volumes shall be separated and labeled with full pagination. The proposal shall include a volume for each of the evaluation factors. The offeror's proposal shall be uploaded to the Army Single Face to Industry (ASFI) Bid Response System (BRS) website (in accordance with paragraph L.1.4), clearly labeled, with volumes divided as follows:

<u>Volume #</u>	<u>Volume Title</u>	<u>Page Limits</u>
Volume I:	Proposal Terms and Conditions	N/A
Volume II:	Experience Factor	30 pages
Volume III:	Technical Factor	25 pages
Volume IV:	Cost/Price Factor	N/A
Volume V:	Small Business Participation Factor	N/A

The Government will not evaluate pages in excess of the limitations stated above.

2. ATTACHMENT 0009 - TASK ORDER REQUEST: BLAST MITIGATION: Revise the following language:

a.) Page 6, Section L(2.):

FROM: The proposal evaluation and discussion procedures in Federal Acquisition Regulation (FAR) Subpart 15.3 (Source Selection) do not apply to the evaluation process of this TOR. The Government will conduct evaluations using a best value tradeoff approach and will follow FAR 16.505 (Ordering Procedures). Although the Government does not intend to hold discussions, the Government does reserve the right to negotiate with one or more, but not necessarily all offerors, for any reason.

Name of Offeror or Contractor:

TO: Although the Government does not intend to hold discussions, the Government does reserve the right to negotiate with one or more, but not necessarily all offerors, for any reason.

b.) Page 6, Section L(4.):

FROM: In accordance with Section M of this TOR, offerors will be evaluated on two factors: (1) Technical and (2) Cost/Price. For the purposes of this task order, the Technical Factor is significantly more important than the Cost/Price Factor. However, if the Technical evaluations are equal, then cost/price will be the deciding factor. The offeror shall abide by the following instructions when submitting a response to this TOR:

TO: In accordance with Section M of this TOR, offerors will be evaluated on two factors: (1) Technical and (2) Cost/Price. For the purposes of this task order, the Technical Factor is slightly more important than the Cost/Price Factor. However, if the Technical evaluations are equal, then cost/price will be the deciding factor. The offeror shall abide by the following instructions when submitting a response to this TOR:

c.) Page 7, Section M(3.)

FROM: Offerors will be evaluated on two factors: (1) Technical and (2) Cost/Price. For the purposes of this task order, the Technical Factor is significantly more important than the Cost/Price Factor. However, if the Technical evaluations are equal, then cost/price will be the deciding factor.

TO: Offerors will be evaluated on two factors: (1) Technical and (2) Cost/Price. For the purposes of this task order, the Technical Factor is slightly more important than the Cost/Price Factor. However, if the Technical evaluations are equal, then cost/price will be the deciding factor.

3. ATTACHMENT 0010 - TOR ATTACHMENT 1, BLAST MITIGATION PWS: Revise Section 5.1.1.1 as follows:

FROM: 5.1.1.1 Concept CAD Models: The contractor shall design one underbody CAD model and one floor CAD model based on concepts (provided by TARDEC at the SOWM) using the native CAD format and provide the models IAW CDRL A006; both models shall be based on readily available (with lead times not to exceed two weeks from the time the materials are ordered) and reasonably priced materials. The contractor shall research flooring concepts to identify and develop the most efficient and effective solution compatible with the TARDEC GSS Flooring Evaluation Fixture provided by the Government at the SOWM. The contractor shall research underbody design concepts to identify, mature, and develop the TARDEC provided concepts into the most efficient and effective solution compatible with the TARDEC GSS Underbody Evaluation Fixture provided by the Government at the SOWM.

TO: 5.1.1.1 Concept CAD Models: The contractor shall design one underbody CAD model and one floor CAD model based on concepts (provided by TARDEC at the SOWM) using the native CAD format and provide the models IAW CDRL A006; both models shall be based on readily available (with lead times not to exceed two weeks from the time the materials are ordered) and reasonably priced materials. The contractor shall design the underbody CAD model using 5083 Aluminum and shall design the floor CAD model using A36 Mild Steel. The contractor shall research flooring concepts to identify and develop the most efficient and effective solution compatible with the TARDEC GSS Flooring Evaluation Fixture provided by the Government at the SOWM. The contractor shall research underbody design concepts to identify, mature, and develop the TARDEC provided concepts into the most efficient and effective solution compatible with the TARDEC GSS Underbody Evaluation Fixture provided by the Government at the SOWM.

4. Except as provided herein, all other terms and conditions of this solicitation remain unchanged.

*** END OF NARRATIVE A0008 ***

CONTINUATION SHEET**Reference No. of Document Being Continued****Page 4 of 13**

PIIN/SIIN W56HZV-14-R-0032

MOD/AMD 0007

Name of Offeror or Contractor:

SECTION J - LIST OF ATTACHMENTS

<u>List of</u> <u>Addenda</u>	<u>Title</u>	<u>Date</u>	<u>Number</u> <u>of Pages</u>	<u>Transmitted By</u>
Attachment 0009	TASK ORDER REQUEST: BLAST MITIGATION		001	DATA
Attachment 0010	TOR ATTACHMENT 1, BLAST MITIGATION PWS		011	DATA

Name of Offeror or Contractor:

SECTION L - INSTRUCTIONS, CONDITIONS, AND NOTICES TO OFFERORS

L.1 PROPOSAL PREPARATION INSTRUCTIONS

L.1.1 General: The offerors proposal, subject to FAR 52.215-1, "Instructions to Offerors - Competitive Acquisitions", shall be submitted in the format set forth below. All information necessary for the review and evaluation of a proposal shall be contained in the proposal volumes set forth below. Section M of the solicitation sets forth the evaluation criteria and delineates the factors and subfactors to be evaluated and their relative order of importance.

L.1.1.1 Award Without Discussions: The offerors proposal, as required by this section, will be evaluated as set forth in Section M of this solicitation. FAR 52.215-1 advises offerors that the Government intends to evaluate proposals and award contracts without discussions with offerors. Where awards will be made without discussions, exchanges with offerors are limited to clarifications as defined in FAR 15.306(a). Therefore, the offerors initial proposal should contain its best terms from a cost/price and technical standpoint. However, under FAR 52.215-1, the Government reserves the right to hold discussions, if necessary. If the PCO determines that the number of proposals that would otherwise be included in the competitive range exceeds the number at which an efficient competition can be conducted, the PCO may limit the number of proposals in the competitive range to the greatest number that will permit an efficient competition among the most highly rated proposals.

L.1.2 Proposal Content: The offerors proposal shall be submitted in five separate volumes, as set forth below. Proposals shall not contain citations or links to other websites. All proposal information shall be in the English language. Proposals shall be submitted on standard 8.5 x 11 paper. Font size shall be no smaller than 10 point with margins no less than 1 inch (top, bottom, left, and right) excluding headers, footers, and page numbers. The offeror shall number each page and provide an index/Table of Contents with each volume. The index/table of contents will not be subject to the page limit(s) set forth below.***** Drawings and graphics included within the proposal that may be more appropriate to use larger paper may utilize no larger than 11 x 17 paper. Graphic presentations, including tables, while not subject to the 10 point font size and spacing requirements, shall have spacing and text that is easily readable.*** The complete set of volumes shall be accompanied by a cover letter prepared on the company's letterhead. Each of the volumes shall be separated and labeled with full pagination. The proposal shall include a volume for each of the evaluation factors. The offeror's proposal shall be uploaded to the Army Single Face to Industry (ASFI) Bid Response System (BRS) website (in accordance with paragraph L.1.4), clearly labeled, with volumes divided as follows:

<u>Volume #</u>	<u>Volume Title</u>	<u>Page Limits*****</u>
Volume I:	Proposal Terms and Conditions	N/A
Volume II:	Experience Factor	30 pages
Volume III:	Technical Factor	25 pages
Volume IV:	Cost/Price Factor	N/A
Volume V:	Small Business Participation Factor	N/A

The Government will not evaluate pages in excess of the limitations stated above.*****

L.1.3 Submission Due Date And Time: The offeror's proposal shall be received at the web address set forth below no later than 12:00 PM Eastern Standard Time on Wednesday, 10 September 2014.***** The offeror shall ensure its proposal is received at the initial point of entry to the Government infrastructure (in this case, received through ASFI BRS) before the solicitation closing date and time. Offerors are cautioned that a proposal is not considered received until the final submission via ASFI BRS and a time stamped proposal summary is generated. NOTE: These actions are not instantaneous. Offerors should begin the file upload well in advance of the solicitation closing date and time to ensure that the entire proposal is received in time to be considered for award. If the ASFI BRS confirmation time stamp does not meet the solicitation closing date and time as indicated in this paragraph, pursuant to FAR 52.215-1, the proposal may be rejected as late.

L.1.4 Method of Submission: Proposals shall be submitted via the ASFI BRS web site: <https://acquisition.army.mil/asfi/>. NOTE: ASFI website allows up to ten files to be uploaded at one time. The combined size of the ten files cannot exceed 20 Megabytes (MB); refer to the information contained on the ACC-WRN Procurement Network Website (<http://contracting.tacom.army.mil/acqinfo/ebidnotice.htm>) concerning how to submit electronic proposals. In addition, refer to paragraph L.2 regarding submission of Electronic Proposals. For the Price Factor Volume, spreadsheets shall be in a version provided for in paragraph L.2.4.*

L.1.5 Proposal Submission Guidance: The offerors proposal shall contain all pertinent representations, certifications, and the specified information required for evaluation of the proposal.

L.1.6 PCO: Offerors are encouraged to contact the PCO, Ms. Renee Collica, usarmy.detroit.acc.mbx.wrn-rd@mail.mil, in order to request an explanation of any aspect of these instructions. The question and answer period for the R&D RFP will close at 5:00 PM Eastern Standard Time on Tuesday, 12 August 2014.

L.1.7 All or None: Proposals in response to this solicitation shall be submitted for all the requirements identified in the solicitation. Proposals submitted for less than all the requirements called for by this solicitation will not be considered for award.

L.1.8 Extreme care and attention should be given to ensure that all required items are included in the proposal.

Name of Offeror or Contractor:

L.1.9 A representative task order will be utilized as part of the evaluation process in order to determine the MA IDIQ contractors under this RFP. Because offerors must submit a proposal for the Blast Mitigation TOR in order to be eligible for award of a basic MA IDIQ R&D contract, the Blast Mitigation task order is not subject to a SBSA. All interested offerors must submit a proposal for the Blast Mitigation task order with their R&D MA IDIQ proposal.

L.1.10 Proposals shall conform to the requirements of this solicitation. All offerors, including joint ventures, shall be limited to one proposal.

L.2 NOTICE REGARDING ELECTRONIC PROPOSAL SUBMISSION

L.2.1 Offerors shall submit the electronic copies of a proposal in accordance with the Section A Clause, entitled TACOM-Warren Electronic Contracting, 52.204-4016.

L.2.2 Given the volume of data and information to be submitted by offerors in response to this solicitation, and the inherent limitations of server bandwidth, offerors may be required to submit their proposal in multiple uploads. It is critical that all offerors carefully and completely identify the volumes and attachments of its proposal. It is important to note that up to ten files can be uploaded at one time. The combined size of ten files cannot exceed 20 Megabytes (MB). Offerors should break attachments into smaller files or use the upload utility multiple times if files exceed the 20MB size limit. Filenames must not contain single quotes, spaces, pound or percent signs. The offeror's computer must also be running updated virus protection. If the offeror's computer is not protected, please do not upload files. Uploading files with viruses may jeopardize your electronic bid submission.*

L.2.3 Offerors are requested, to the maximum extent practical, not to provide attachments from multiple volumes within electronic transmission(s); each electronic transmission(s) should include attachments pertaining to only one volume.

L.2.4 Electronic Copies: Offerors shall submit electronic copies and any supplemental information (such as spreadsheets, backup data, and technical information) using the following file types:

(a) Files in either Microsoft (MS) Windows Vista/MS Office 2007 or Office XP: Word, Excel, or PowerPoint. Spreadsheets shall be sent in a file format that includes all formulae, macro and format information. Print image is not acceptable.

(b) Files in Adobe Portable Document Format (PDF). Scanners should be set to 200 dots per inch.

(c) Files in Hypertext Markup Language (HTML). HTML documents shall not contain active links to live Internet sites or pages. All linked information shall be contained within the electronic proposal and be accessible offline.

L.2.5 FAR 15.207(c) identifies the steps the Government will take with regard to unreadable proposals. Offerors shall make every effort to ensure that a proposal is virus-free. Proposals (or portions thereof) submitted which reflect the presence of a virus, or which are otherwise rendered unreadable by damage in electronic transit, will be treated as "unreadable" as described above.

L.3 VOLUME I - PROPOSAL TERMS & CONDITIONS

In this Volume, offerors shall provide:

L.3.1 An electronic cover letter (letter of transmittal) which shall identify all enclosures being transmitted in the message.

L.3.1.1 A scanned image of the SF 33 solicitation cover page signed by a person authorized to bind the offeror. Blocks 12, 13, 14, 15A, 15B, 16, 17, and 18 of the SF 33 shall be filled in by the offeror.

L.3.2 One copy of this solicitation (Sections A-K) with all clauses and other fill-ins completed. System for Award Management (SAM) certifications need not be separately submitted.

L.3.3 An affirmative statement that the offeror proposes to meet all the requirements of Section C, or through the use of subcontractor(s).

L.3.4 A statement of agreement to all the terms, conditions, and provisions of this solicitation.

L.3.5 A statement asserting whether the offeror qualifies for the restricted pool based on NAICS Code 541712 (Research and Development in the Physical, Engineering, and Life Sciences (except Biotechnology); current size standard of 500 employees).

L.3.6 A subcontracting plan (if the offeror is an Other-Than-Small-Business (OTSB) in accordance with FAR 52.219-9).

L.3.7 Organizational Conflict of Interest (OCI) (Reference M.3.1.5)

L.3.7.1 The offeror shall provide an affirmative statement that: 1) it agrees to the OCI mitigation strategy identified in paragraph

Name of Offeror or Contractor:

H.16; and 2) it does not have an OCI as it applies to this solicitation. If the offeror thinks he has an actual or perceived OCI, see paragraph L.3.6.3 below.

L.3.7.2 The provisions of FAR Subpart 9.5, Organizational Conflict of Interest, apply to any award under this solicitation. Potential offerors should review current and planned participation in any other Government contracts, subcontracts, consulting, or teaming arrangement(s) where they may be in a position of actual or perceived bias or unfair competitive advantage.

L.3.7.3 Offerors shall disclose any potential OCI situations as soon as identified, including prior to proposal submission. The disclosure shall include a statement of the facts and an analysis of how those facts create the actual or perceived conflict. The offeror shall recommended approach(es) to neutralize or mitigate the OCI. The preferred approach to potential conflicts is to avoid the conflict. Mitigation shall be considered only if it is not practical to avoid the conflict. The PCO will promptly respond to resolve any potential conflicts.

L.3.8 Because offerors and subcontractor(s) may handle or access classified information, all are required to either a.) submit evidence that it possess a current active (TOP SECRET or SECRET) Facility Clearance (FCL) that can be verified by the Government via the Joint Personnel Adjudication System (JPAS) database; or b.) submit an offeror signed Defense Security Agreement (DD Form 441) which obligates the contractor to comply with the security requirements of the National Industrial Security Program Operating Manual (DoD 5220.22-M). Offerors may visit the DSS website for more information as to what is required for submission to DSS:
http://www.dss.mil/isp/fac_clear/fac_clear_check.html.

L.3.8.1 FCL is not required for award of a R&D MA IDIQ contract. FCL may be required to be eligible for award of future task orders. (Reference M.2.3)

L.3.9 Accounting System: In order to be considered for award of a R&D MA IDIQ contract and subsequent cost-type task orders awarded hereunder, the offeror shall provide evidence that it has an adequate financial management and accounting system and fund tracking procedures IAW FAR 16.301-3(a)(3). Providing evidence of an adequate accounting system is a matter of contract responsibility IAW FAR 9.103 and 9.104-1(e). The offeror shall complete and submit a Defense Audit Agency (DCAA) Preaward Survey of Prospective Contractor Accounting System Checklist (http://www.dcaa.mil/checklist_and_tools.html) at the time of proposal submission. Offerors having applicable and current information from DCAA or DCMA shall also submit that documentation. (Reference M.3.1.6)

L.3.9.1 Offerors who have not had Accounting System Reviews by DCAA or DCMA may, at the offeror's expense, submit information from an Independent Certified Public Accountant (CPA) verifying that the CPA audited the offeror's accounting system and that the offeror's accounting system complies with the requirements stated within the DCAA Contract Audit Manual (DCAAM) Chapter 5-202, Preaward Survey of a Prospective Contractor's Accounting System and Standard Form (SF) 1408, Preaward Survey of Prospective Contractors Accounting System.

L.3.10 Joint Venture: To be recognized as a joint venture as referenced in Section A.4.3 and eligible for award of a R&D MA IDIQ contract and subsequent task orders, the membership arrangements of the joint venture must be identified and the company relationships fully disclosed in the offerors proposal IAW FAR 9.603. A copy of the agreement establishing the joint venture must contain the signatures of all of the members comprising the joint venture. (Reference M.2.4)

L.4 VOLUME II - EXPERIENCE FACTOR

The Government will only evaluate the experience of a prime offeror for the experience factor. Due to affiliation, all members of a joint venture are considered to be a single prime offeror. Therefore, the Government will evaluate the experience of all of the members of a joint venture under the experience factor. The Government will evaluate the experience of all members of a joint venture under the experience factor, even if a member is designated as a subcontractor in the JV legal agreement. The Government will not consider the experience of any proposed subcontractors that are not part of a joint venture legal agreement.

In this Volume, offerors shall provide:

L.4.1 A total of no more than two contracts for each of the areas identified in paragraphs L.4.1.2.1, L.4.1.2.2, L.4.1.2.3 and L.4.1.2.4, which are the most recent (as defined by paragraph L.4.1.1) and relevant (as defined by paragraph L.4.1.2) to the relevance considerations specified in paragraphs L.4.1.2.1, L.4.1.2.2, L.4.1.2.3 and L.4.1.2.4. For the purposes of this Volume, "contract" shall be defined as:

- (a) a single Government or Commercial contract; or,
- (b) a single task order placed under a single-award or multiple-award IDIQ task order contract (FAR 16.501-1); or,
- (c) a single task order placed under a federal supply schedule (FSS) (FAR 8.405-2); or,
- (d) a single order placed under a basic ordering agreement (BOA) (FAR 16.703); or,
- (e) a single task order placed under a single-award or multiple-award blanket purchase agreement (BPA) (FAR 8.405-3 or FAR 13.303).

Name of Offeror or Contractor:

L.4.1.1 Recent Contracts. Recent contracts are those performed within three years of the date of issuance of this solicitation.

L.4.1.2 Relevant Contracts. Relevant contracts are those which are similar in scope to this solicitation requirement(s) described below in paragraphs L.4.1.2.1, L.4.1.2.2, L.4.1.2.3 and L.4.1.2.4. Where prior relevant experience is under a broader IDIQ, BPA, BOA, or FSS-type contract, the offeror shall not just cite the broader IDIQ, BPA, BOA, or FSS-type contract. Rather, the offeror shall include the specific individual task order(s), delivery order(s), or work directive(s) which it considers to be reflective of relevant prior experience. In accordance with paragraph L.4.1, each prior contract(s) identified by the offeror as being applicable will be evaluated based upon the extent to which prior experience described is relevant to the requirements of the R&D solicitation and SOW.

If a prime offeror has relevant experience on a prior contract, either performed independently or as a member of a JV performing on the prior contract, the offeror shall provide supporting documentation to establish that he performed the work himself in order for the experience to be considered relevant.

As stated in L.4, all members of a JV are considered to be a single prime offeror. If a JV prime offeror includes a member with relevant experience on a prior contract, either performed independently or as a member of a JV performing on the prior contract, the offeror shall provide supporting documentation to establish that the member actually performed the work in order for the experience to be considered relevant.

Specifically, the extent of relevant experience with the following solicitation requirements will be assessed by the Government as follows:

L.4.1.2.1 Service contracts performed either as a prime contractor that involved contractor team arrangement(s) (as defined by FAR 9.601) with at least three other organizations not including the prime contractor, or service contracts performed as the prime contractor that involved the award of subcontracts to at least three other organizations. Include detail discussing the type and portion of work performed by each firm to accomplish tasks relevant to the R&D SOW key tasks set forth in paragraphs C.4.1 through C.4.6.*

L.4.1.2.2 Service contracts performed which included prototype development, focused on applied science and research projects. Include detail discussing the prototype development that was performed.

L.4.1.2.3 Service contracts performed which required design and validation testing, with a focus on modifications or additions to complex systems, of the following: a.) vehicle systems; or b.) applied science and research projects. Include detail discussing the design and validation testing that was performed.

L.4.1.2.4 Service contracts performed which required modeling and simulation experience, focused on the following: a.) complex system interactions with external forces; or b.) modifications to existing complex systems.

L.4.2 For each of the recent/relevant contracts identified per paragraph L.4.1, the offeror shall provide the following information within the R&D Experience Matrix/Narrative (Attachment 0003):

L.4.2.1 Contract number; per paragraph L.4.1.2;

L.4.2.2 Contract type (e.g., firm-fixed-price, time-and-materials);

L.4.2.3 Performance period (e.g., date contract cited in L.4.2.1 was awarded and date it did/will end);

L.4.2.4 Government or commercial contracting activity's mailing address, telephone number, and e-mail address;

L.4.2.5 For Government contract examples, provide the PCO's and Administrative Contracting Officer's (ACO's) name, telephone number and e-mail address. In the event a commercial contract example is cited, the name, telephone number and e-mail address of a commercial entity's representative that has knowledge of the offeror's cited example;

L.4.2.6 Government or commercial contracting activity technical representative (e.g., Contracting Officers Representative (COR)), name, telephone number and e-mail address;

L.4.2.7 Copies (excerpts) of all SOW/PWS paragraph(s) from the contract(s) cited per paragraph L.4.2.1 describing experience corresponding to the relevance considerations cited in paragraphs L.4.1.2.1, L.4.1.2.2, L.4.1.2.3 and L.4.1.2.4; and

L.4.2.8 A discussion of specific similarities between the contract SOW/PWS paragraphs provided as required by paragraph L.4.2.7 and corresponding to the relevance considerations cited in paragraphs L.4.1.2.1, L.4.1.2.2, L.4.1.2.3 and L.4.1.2.4.

Failure to provide the information requested under paragraph L.4.2 may result in an assessment that the referenced prior experience lacks relevance or recency.

L.4.3 Experience Information: It is the offeror's responsibility to submit detailed and complete information and supporting

Name of Offeror or Contractor:

documentation as required so the Government may conduct the evaluation of its experience proposal. The Government is not obligated to make another request for the required information. Offerors are advised that the Government may contact any of the references the offeror provides, may contact other third parties for experience information, and/or may contact internal Government or private sources with knowledge of the experience cited in the offeror's proposal to validate or gain a better understanding of the relevance of the offeror's proposed experience. The Government's decision to consider external data does not relieve the offeror of the responsibility to provide thorough and complete experience information.

L.4.4 Cross-Reference Matrix: In addition to populating the R&D Experience Matrix/Narrative (Attachment 0003) required by paragraph L.4.2, the offeror shall also complete the R&D Cross-Reference Matrix (Attachment 0004). The offeror shall populate the yellow-shaded cells by citing up to two prior contracts for each of the areas identified in L.4.1.2 and assigning a corresponding relevance level, based on the relevance definitions provided within the R&D Cross-Reference Matrix (Attachment 0004). The offerors cited contracts should reflect the types of experience the Government will be using for evaluation purposes, as identified in paragraphs L.4.1.2.1, L.4.1.2.2, L.4.1.2.3 and L.4.1.2.4.

L.5 VOLUME III TECHNICAL FACTOR

L.5.1 The offeror shall provide its technical approach to performing the Blast Mitigation task order. The offerors proposal shall detail its proposed approach to achieve successful performance of this task order. Specifically, the proposal shall address the following:

L.5.1.1 Analyze the Blast Mitigation PWS (Attachment 0010) and discuss the key success drivers and risks associated with performance, schedule, and cost for successfully achieving task order requirements and objectives. Additionally, offerors shall discuss how cost efficiencies will be realized during the performance period of the Blast Mitigation PWS (Attachment 0010) to reduce costs and avoid cost overruns.

L.5.1.2 Based on the analysis of the Blast Mitigation PWS (Attachment 0010), discuss the specific technical approach proposed, to include identification of necessary tasks, labor categories, and details on how the offeror proposes to perform the requirements of the Blast Mitigation PWS (Attachment 0010).

L.5.1.3 Based on the analysis of the Blast Mitigation PWS (Attachment 0010), discuss the composition of the proposed workforce by labor category/position, including the minimum qualifications (years and types of experience), to perform the requirements of the Blast Mitigation PWS (Attachment 0010).

L.6 VOLUME IV - COST/PRICE FACTOR

L.6.1 General Information. Cost/price factor volume proposals shall be submitted as follows:

L.6.1.1 Proposal Structure: The cost/price factor volume shall include data to support the reasonableness of the proposed amounts. Sufficient detail shall be included to allow the Government to evaluate the offeror's cost/price proposal for Cost Realism at the task order level. The offeror shall show complete development of the elements of the cost/price proposal. The Government may consult with DCAA or DCMA for cost verification. Offerors may submit any other additional cost/price and financial information considered to be helpful in the Government's evaluation of the cost/price proposal.

L.6.1.2 The Government may use other resources in the evaluation of the cost/price factor volume. In addition to the information identified below, the Government reserves the right to request additional data or a more detailed price breakdown to support a determination of reasonableness.

L.6.1.3 Electronic Submission: All spreadsheets shall be in the format provided for in paragraph L.1.2 and L.2.4 and shall include all formulas. Print image is not acceptable. Supporting information in Excel may be provided as a separate file or as added tabs to the R&D Prime Proposal Summary File Blast Mitigation (Attachment 0012). The offeror shall provide its supporting narrative, if necessary, in Microsoft Word format (but not Word version 2.0).

L.6.1.4 Proposed elements of cost and applicable profit are to be stated in United States (U.S.) dollars only. The offeror shall state the exchange rate (if applicable) being used to convert any currency to U.S. dollars.

L.6.2 The cost/price factor volume shall include the following:

L.6.2.1 R&D Pricing Labor Matrix: Contract Ceiling Rates.

L.6.2.1.1 The offeror shall fill in all proposed fully loaded labor rates (to include profit/fee) directly in the R&D Pricing Labor Matrix (Attachment 0002) in accordance with the instructions detailed within said attachment. These rates will become the ceiling rates for all future task orders awarded under this contract. Ceiling rates will cap the total cost per labor hour to the Government per labor category regardless of the contract type or whether the proposed labor is performed by the prime contractor or subcontractor or at an on-site or off-site location. In cases where subcontracted labor is used, ceiling rates include the subcontractor rate plus all applicable prime contractor indirect rates plus applicable prime profit or fee.

Name of Offeror or Contractor:

L.6.2.1.2 The offeror shall ensure that the rates proposed for all of the labor categories subject to the Service Contract Act (SCA) comply with the minimums specified by the applicable Department of Labor (DoL) Wage Determination.

L.6.2.2 Blast Mitigation Task Order. The offeror shall prepare its cost/price factor volume consistent with the Blast Mitigation task order technical proposal provided under the Technical Factor; see paragraph L.5.

L.6.2.2.1 Offerors Format Spreadsheets: The offeror shall provide spreadsheets, in accordance with their own accounting practices, as added tabs to the R&D Prime Proposal Summary File Blast Mitigation (Attachment 0012) or as a separate Excel file showing the proposed costs for each CLIN (as defined in Section B of the TOR). Each spreadsheet shall be organized by cost element (e.g., Direct Labor, Subcontracts, Material, Other Direct Costs, Overhead/Indirect, Fee, etc.) time phased by quarter and sub-totaled by calendar year.

L.6.2.2.1.1 Direct Labor. Costs for direct labor shall include the following:

(a) the offeror shall provide the methodology of the proposed labor rate to demonstrate the makeup of any composite direct rate (i.e. several individual rates by location and associated weightings used to build a composite rate).

(b) a quarterly time-phased breakout of the direct labor hours, by labor category (cost element) appropriate to the offeror's accounting system;

(c) the labor rate for each category of direct labor, including the basis for the rate and any escalation used; and

(d) the direct labor cost (dollars).

L.6.2.2.1.2 Travel: These amounts shall be consistent with material, ODC, and travel amounts specified in the R&D Prime Proposal Summary File Blast Mitigation (Attachment 0012).

L.6.2.2.1.3 Subcontracts:

(a) A quarterly time-phased breakout of the subcontract costs, by labor category; and

(b) The offeror shall provide support for the reasonableness of each proposed subcontractor labor rate such as quotations or recent purchase orders. If the subcontracted labor is to be contracted on a cost plus fixed fee basis, provide both the estimated cost and the fixed fee arrangement separate. The offeror shall also provide a narrative demonstrating that the cost of any subcontracted labor intended to be procured on a cost type contract realistically reflects the subcontractors proposed effort to meet program requirements and objectives.

L.6.2.2.1.4 Rates: Show the quarterly time phased application of the proposed direct and indirect rates.

L.6.2.2.1.5 Facilities Capital Cost of Money (FCCM): The offeror shall show the quarterly time phased application of the proposed FCCM rates. The offeror shall identify the Treasury Rate used to develop the amount.

L.6.2.2.1.6 Fee: The offeror shall show the quarterly time phased application of the proposed Fee. The offeror shall state the Fee rate and the estimated total dollar amount included.

L.6.2.2.1.7 The offeror shall provide a list of the direct and indirect rates, by category and by year, used in the development of its proposal. Include, if applicable:

(a) The date of the current Cost Accounting Standards Board (CASB) Disclosure Statement;

(b) The effective date of the rates or the data that formed the basis for the rates (the date of the burden study analysis or payroll run, etc.);

(c) A narrative explaining the basis for the estimated rates. Specifically identify any escalation factors used;

(d) State whether these rates represent a Forward Pricing Rate Submission (FPRS) or a Forward Pricing Rate Agreement (FPRA) and note the date of the agreement. If these rates represent a Forward Pricing Rate Proposal (FPRP) the offeror shall also provide the supporting pool and base information;

(e) State whether or not the business volume that would be generated if a task order was awarded to your firm as a result of this solicitation has been included in the proposed rate package;

(f) The ending month of the offerors fiscal year;

(g) For each of the rate categories, the offeror shall provide both the prior and current fiscal years Incurred Cost rates.

Name of Offeror or Contractor:

Indicate if the prior year rates have been audited. For the current years Incurred Cost rates provide the month ending for those rates.

L.6.2.2.2 U.S. Government Format Spreadsheets: The elements addressed below in (a) thru (f) will be entered into the R&D Prime Proposal Summary File Blast Mitigation (Attachment 0012):

- (a) The offeror shall provide the proposed labor categories and estimated direct labor hours.
- (b) The offeror shall provide the proposed base labor rate for each proposed labor hour category.
- (c) The offeror shall provide associated burdens, if any, on the proposed direct labor costs.
- (d) The Government has provided estimated dollars for Material. The offeror shall provide associated burdens, if any, on the Government provided Material for the Blast Mitigation task order.
- (e) The offeror shall provide the proposed FCCM and/or General and Administrative (G&A) rate, if applicable.
- (f) The offeror shall provide the proposed fee.

L.6.2.2.3 Roadmap: The offeror shall provide a Roadmap from the Offerors Format Spreadsheets (L.6.2.2.1) to the U.S. Government Format Spreadsheets (L.6.2.2.2) within the R&D Prime Proposal Summary File Blast Mitigation (Attachment 0012):

L.7 VOLUME V - SMALL BUSINESS PARTICIPATION (SBP) FACTOR**L.7.1 SBP Factor Volume:**

L.7.1.1 Application: The SBP factor volume submission instructions apply to every offeror (U.S. and non-U.S.), regardless of size status or locations of working facilities or headquarters.

L.7.1.2 Definitions:

- (a) "Affiliate" is defined in 13 CFR 121.103.
- (b) "Alaskan Native Corporation" is defined in FAR 19.701 as any Regional Corporation, Village Corporation, Urban Corporation, or Group Corporation organized under the laws of the State of Alaska in accordance with the Alaska Native Claims Settlement Act, as amended (43 U.S.C. 1601, et seq.) and which is considered a minority and economically disadvantaged concern under the criteria at 43 U.S.C. 1626(e)(1). This definition also includes ANC direct and indirect subsidiary corporations, joint ventures, and partnerships that meet the requirements of 43 U.S.C. 1626(e)(2).
- (c) "Contractor team arrangements (CTA)" are defined in FAR 9.601(1) and include partnerships, joint ventures, and prime and subcontractor relationships.
- (d) "Indian Tribe" is defined in FAR 19.701 as any Indian tribe, band, group, pueblo, or community, including native villages and native groups (including corporations organized by Kenai, Juneau, Sitka, and Kodiak) as defined in the Alaska Native Claims Settlement Act (43 U.S.C.A. 1601 et seq.), that is recognized by the Federal Government as eligible for services from the Bureau of Indian Affairs in accordance with 25 U.S.C. 1452(c). This definition also includes Indian-owned economic enterprises that meet the requirements of 25 U.S.C. 1452(e).
- (e) "Other Than Small Business" is any entity that is not a U.S. SB concern, including, but not limited to large businesses, educational institutions, non-profits, government entities, and foreign firms.
- (f) "Small Business Teaming Arrangements (SBTA)" are defined in 13 CFR 125.1 and include joint ventures and prime and subcontractor relationships.
- (g) "Subcontract" is defined in FAR 19.701 as any agreement (other than one involving an employer-employee relationship) entered into by a Government prime contractor or subcontractor calling for supplies and/or services required for performance of the contract, contract modifications, or subcontract.
- (h) "U.S. small business concerns" are defined in FAR 19 and DFARS 19. U.S. small business concerns include small businesses (SBs), small disadvantaged businesses (SDBs), woman-owned small businesses (WOSBs), HUBZone small businesses (HUBZone SBs), veteran-owned small businesses (VOSBs), and service disabled veteran-owned small businesses (SDVOSBs).

L.7.1.3 Small Business Participation Factor Workbook (Attachment 0005) and Small Business Participation Factor Workbook Instructions (Attachment 0006):

- (a) All offerors, including offerors who are themselves U.S. SB concerns for the NAICS code assigned to this requirement, are

Name of Offeror or Contractor:

required to complete the Small Business Participation Factor Workbook (Attachment 0005), using the detailed Small Business Participation Factor Workbook Instructions (Attachment 0006).

(b) An offeror shall fill out the Small Business Participation Factor Workbook (Attachment 0005) with goals for this solicitation specifically, even if it is an OTSB submitting a Comprehensive Subcontracting Plan.

(c) The Small Business Participation Factor Workbook (Attachment 0005) shall be submitted in the Microsoft Excel workbook format with all tabs, formulas, and functions that are built into the template in the solicitation. Print image files or pictures (for example, a picture of an Excel spreadsheet embedded in a Word document) or files containing only values are not acceptable.

(d) Small Business Participation Factor Workbook (Attachment 0005) Fill-in Tabs ("Prime \$", "Sub \$", "SB Prime List", and "SB Sub List"): When filling in these tabs in the Workbook, the offeror shall include in the dollars for prime contractor participation and subcontractor participation the proposed amounts for all of the Basic CLINs and all of the Option CLINs identified in the R&D Prime Proposal Summary File Blast Mitigation (Attachment 0012).

(e) Small Business Participation Factor Workbook (Attachment 0005) Automatic Tabs (i.e., "Con" and "Rollup"): These tabs in the Workbook are filled in automatically based on the information the offeror filled in on the other four tabs. During its evaluation of the proposal, the Government will check for consistency. Therefore, the offeror shall use these tabs to check for consistency within the Small Business Participation Factor Submittal and between the Small Business Participation Factor Submittal and other parts of the proposal including the Subcontracting Plan and the offeror's other factor volumes.

L.7.1.4 Narrative: If the offeror has a contractor team arrangement, the offeror shall submit a very brief introductory narrative that explains the arrangement. If any offeror has any other need to clarify or explain anything in the SBP factor volume, the information can be included in this narrative.

L.7.1.5 Signature Requirement for Proposed Subcontracts: The Small Business Administration (SBA) Dynamic Small Business Search (DSBS) Database is the official source for the SBA certified designations of 8(a), 8(a) Joint Venture, and HUBZone SB. The Government may use this system to verify any SBA certifications of the prime and subcontractors. The government may also use the System for Award Management (SAM) to verify size, ownership, and any other information provided about the prime and subcontractors listed in the proposal. According to 13 CFR 121.411(b) the offeror cannot require subcontractors to use SAM. For any subcontractor listed in the proposal that is not registered in SAM, the offeror shall provide, in accordance with 13 CFR 121.411(f), a certification from that subcontractor verifying its small business size and socioeconomic status. This certification shall contain on the same page as the size and status claimed, the signature of the official authorized to sign for the subcontractor.

L.7.1.6 Other Resources/Additional Data: In addition to the data submitted by the offeror, and the data found in the Government systems specifically referenced throughout this L.7, the Government may use other resources to evaluate the offerors Small Business Participation Factor submittal. The Government reserves the right, during clarification or discussion under FAR 15.306, to request additional data to support its assessment.

L.7.1.7 What Counts Toward an Offeror's Proposed SBP Factor Goals: The offeror's extent of small business participation in each small business category will be calculated automatically on the "Roll-up" tab in the Small Business Participation Factor Workbook (Attachment 0005). The embedded formula takes the 'Dollars for portion of work to be performed by Small Business Prime' and adds it to the 'Dollars for portion of work to be performed by First Tier Small Business Subcontractors', then divides the sum by the 'Total Contract Amount', and multiplies the result by 100 to obtain the percentage. The 'Total Contract Amount' is defined as the Total Proposed Amount for all of the Basic CLINs and all of the Option CLINs identified in the R&D Prime Proposal Summary File - Blast Mitigation (Attachment 0012).

(a) The following count toward an OTSB offeror's proposed SBF factor goals:

(1) The dollars for first-tier SB subcontracts.

(2) The dollars for first-tier SB subcontracts of first-tier affiliates for work related to the contract. For purposes of this SBP factor and the subcontracting plan, first-tier affiliates are considered part of the prime.

(3) The dollars for first-tier SB subcontracts of joint venture members for work related to the contract.

(4) The dollars the offeror has been designated to receive as a SB and SDB credit from an Alaskan Native Corporation (ANC) or Indian Tribe subcontract at first or lower tiers.

(b) The following count toward a SB Offeror's proposed SBP factor goals:

(1) The dollars for the portion of the work to be performed as a SB prime.

(2) The dollars for first-tier SB subcontracts.

(3) The dollars for first-tier SB subcontracts of first-tier affiliates for work related to the contract. For purposes of

CONTINUATION SHEET	Reference No. of Document Being Continued	Page 13 of 13
	PIIN/SIIN W56HZV-14-R-0032	MOD/AMD 0007

Name of Offeror or Contractor:

this SBP factor, first-tier affiliates are considered part of the prime.

(4) The dollars for the portion of work to be performed as a small business joint venture prime. This includes any separate legal entity as well as the joint venture members. For purposes of this SBP factor, joint venture members are considered part of the prime, even if they are designated as subcontractors in the joint venture legal agreement.

(5) The dollars for first-tier SB subcontracts of joint venture members for work related to the contract.

L.7.1.8 Differences between the SB Subcontracting Plan and SBP Factor:

(a) The Small Business Subcontracting Plan:

(1) is not required of small businesses.

(2) is developed and submitted in accordance with FAR 52.219-9 Small Business Subcontracting Plan and its ALT II and DFARS 252.219-7003 incorporated by reference in Section I (or DFARS 252.219-7004 if the Offeror has a comprehensive subcontracting plan) and TACOM Clause 52.219-4004 in Section L.

(3) is evaluated in accordance with the FAR, DFARS, and AFARS.

(4) has goals that are expressed as a percentage of 'Total Subcontracting Amount' for all of the Basic CLINs and all of the Option CLINs identified in the R&D Prime Proposal Summary File Blast Mitigation (Attachment 0012).

(5) has goals broken out for the basic and each option period(s) separately.

(b) The SBP Factor:

(1) is required of all offerors, including SBs.

(2) is developed and submitted in accordance with this Section L clause.

(3) is evaluated in accordance with Section M.

(4) has goals that are expressed as a percentage of 'Total Contract Amount' defined as the Total Proposed Amount for all of the Basic CLINs identified in the R&D Prime Proposal Summary File Blast Mitigation (Attachment 0012).

(5) has goals which are not broken out for the basic and each option period(s) separately.

*Changes pursuant to Amendment 0001

***Changes pursuant to Amendment 0003

*****Changes pursuant to Amendment 0006

*****Changes pursuant to Amendment 0007

*** END OF NARRATIVE L0001 ***

PIIN/SIN W56HZV-14-R-0032
MOD/AMD 0007
ATT/EXH ID Attachment 0009
PAGE 1

The Task Order Request: Blast Mitigation (Attachment 0009) is provided as a PDF and can be accessed at:
<https://contracting.tacom.army.mil/services/S3/S3.htm>

PERFORMANCE WORK STATEMENT (PWS)

Tank Automotive Research, Development and Engineering Command (TARDEC)
Blast Mitigation Engineering Services

PART 1
GENERAL INFORMATION

1. General: This is a non-personal services contract for the research of blast mitigating flooring concepts and underbody design concepts in order to identify and develop the most efficient and effective solution compatible with the TARDEC Ground Support Systems (GSS) Flooring Evaluation Fixture and Underbody Evaluation Fixture provided by the Government. The Government will not exercise any supervision or control over the contract service providers performing the services herein. Such contract service providers shall be accountable solely to the contractor.

1.1 Introduction: The contractor, as an independent contractor and not as an agent of the Government, shall provide qualified personnel, equipment, supplies, facilities, transportation, tools, materials, supervision, and other items and non-personal services necessary to perform the engineering services as defined in this PWS, except for those items specified as Government furnished property and services in Part 3. The contractor shall perform to the standards identified in this Task Order.

1.2 Background: The purpose of this PWS is to take TARDEC supplied tactical wheeled or combat vehicle underbody and floor concepts and transfer them into 3-D Computer Aided Design (CAD) models and Level II drawing sets suitable for fabrication. The contractor shall conduct research into approaches to mature the designs and provide analysis of the concepts being provided by TARDEC. The contractor shall analyze accelerative blast load inputs and outputs of each CAD model concept and conduct Finite Element Analysis (FEA) and Modeling & Simulation (M&S) to predict the performance of blast and mobility loading concepts. The blast impulse parameters will be provided by TARDEC GSS at the Start of Work Meeting (SOWM) (see 5.2.1 below). The modeling analysis shall be performed utilizing software capable of modeling high strain-rate blast events. Based on the analysis provided to the Government by the contractor, the Government may decide which design parameters to modify for subsequent design and analysis iterations.

1.3 Objectives: The objectives of this PWS are to provide TARDEC the research and development support necessary to efficiently and effectively utilize TARDEC design concepts and develop them into producible drawings and provide prototypes for testing.

1.4 Scope: Detailed requirements are set forth under Part 5 Requirements of this PWS.

1.5 Period of Performance

The period of performance for the base period of this task order shall be nine months from the date of task order award.

The options periods of performance are as follows:

- Option 1 - nine (9) months after the date of option exercise IAW 5.3.1 below.
- Option 2 - six (6) months after the date of option exercise IAW 5.3.2 below.
- Option 3 - six (6) months after the date of option exercise IAW 5.3.3 below.

Options: The Government reserves the right to extend the term of this Task Order at the prices set forth in accordance with the terms and conditions contained in clause 52.217-9 entitled, Option to Extend the Term of the Contract.

1.6 General Information:

1.6.1 Quality Control: The contractor shall develop and maintain an effective quality control program to ensure services are performed in accordance with this PWS and Performance Standards. The contractor shall develop and implement procedures to identify and prevent recurrence of defective services. The contractor shall at a minimum provide the Contracting Officers Representative (COR) with a draft Quality Control Plan (QCP) including methods for identifying and preventing defects in the quality of services performed. The draft QCP shall be due within 30 days after task order award IAW CDRL A013. The contractor's QCP shall be subject to review and approval by the Government throughout the contract period. The contractor shall submit an updated copy of the QCP to the COR, shall obtain COR approval, and shall provide an updated copy of the QCP to the Contracting Officer prior to implementation of any changes IAW CDRL A008. The QCP shall be the basis of the contractor's QC Program and shall address all quality requirements.

1.6.2 Government Quality Assurance: The Government will evaluate the contractors performance under this Task Order in accordance with the Quality Assurance Surveillance Plan (QASP). The QASP is primarily focused on what the Government must do to ensure that the contractor has performed in accordance with the Performance Standards outlined in Technical Exhibit 1. It defines how the Performance Standards will be applied, the frequency of surveillance, and the maximum acceptable defect rate (s).

1.6.3 Place of Performance: Contractors facility

1.6.4 Type of Contract/Task Order: The Government intends to award a Cost plus Fixed Fee Task Order.

1.6.5 Security Requirements: The Security Classification Requirement for individuals accomplishing this PWS is UNCLASSIFIED.

1.6.5.1 The contractor shall not release any information or data to third parties without the prior express written approval of the Contracting Officer.

1.6.6 Contracting Officer Representative (COR): The COR will monitor all technical aspects of the Task Order and assist in contract administration. The COR is authorized to perform the following functions:

- ensure the contractor performs the technical requirements of the contract;
- perform inspections necessary in connection with contract performance;
- maintain written and oral communications with the contractor concerning technical aspects.

1.6.7 Contract Manager: The contractor shall provide a Contract Manager who shall be responsible for the performance of the work. The name of this person and an alternate who shall act for the contractor when the Contract Manager is absent shall be designated in writing to the Contract Specialist and the COR within 15 calendar days of task order award; or within five calendar days of a change in personnel. The Contract Manager or alternate shall have full authority to act for the contractor on all contract matters relating to daily operation of this contract. The Contract Manager or alternate shall be available between 0800 and 1500 Eastern Time (TACOM Warren, MI local time), Monday through Friday except Federal holidays or when the Government facility is closed for administrative reasons.

1.6.8 Contractor Travel: The contractor will be authorized travel expenses consistent with the provisions of the Joint Travel Regulation (JTR), and will be paid by the Government on a cost reimbursement, no fee basis. FAR 31.205-46, limits the allowability of airfare cost to the lowest customary standard, coach, or equivalent airfare offered during normal business hours. All travel requires Government approval/authorization from the COR before any travel is taken. COR approvals must be uploaded with the invoice into Wide Area Workflow.

PART 2 DEFINITIONS

2. Definitions:

2.1. Contractor. A supplier or vendor awarded a contract to provide specific supplies or service to the Government. The term used in this task order refers to the prime.

2.2. Contracting Officer. A person with the authority to enter into, administer, and/or terminate contracts and make related determinations and findings. The term includes certain authorized representatives of the contracting officer acting within the limits of their authority as delegated by the contracting officer.

2.3. Contracting Officers Representative (COR). An employee of the U.S. Government appointed by the contracting officer to administer the contract. Such appointment shall be in writing and shall state the scope of authority and limitations. This individual has authority to provide technical direction to the contractor as long as that direction is within the scope of the contract, does not constitute a change, and has no funding implications. This individual does NOT have authority to change the terms and conditions of the contract.

2.4. Defective Service. A service output that does not meet the standard of performance associated with the Performance Work Statement.

2.5. Deliverable. Anything that can be physically delivered, and may include non-manufactured items such as meeting minutes or reports.

2.6. Physical Security. Actions that prevent the loss or damage of Government property.

2.7. Quality Assurance. The Government procedures to verify that services being performed by the contractor are performed according to the requirements set forth in the task order.

2.8. Quality Assurance Surveillance Plan (QASP). An organized written document specifying the surveillance methodology to be used for surveillance of contractor performance.

2.9. Quality Control. All necessary measures taken by the contractor to assure that the quality of an end product or service shall meet contract requirements.

2.10 Subcontractor. Any supplier, distributor, vendor, or firm that furnishes supplies or services to or for a prime contractor or another subcontractor. The Government does not have privity of contract with the Subcontractor.

PART 3
GOVERNMENT FURNISHED PROPERTY, EQUIPMENT, INFORMATION AND SERVICES

3. Government-Furnished Items and Services:

3.1 Services: N/A

3.2 Facilities: N/A

3.3 Utilities: N/A

3.4 Equipment: N/A

3.5 Materials/Information: The Government will provide the contractor with the following Materials and information:

3.5.1 The contractor will be provided with concept sketches no later than the Start of Work Meeting (SOWM) for each underbody structure and flooring concept, which are Government Furnished Information (GFI). The contractor shall handle these documents in accordance with the distribution statements and export control warnings contained on each such document.

3.5.2 If the Government provides an existing Level II Drawing Set as GFI, then the contractor shall revise the change record legend whenever the design is modified to annotate any changes it made to the Government provided Level II Drawing Set as a result of work completed under this TO.

3.6 The contractor shall return to the Government all GFE/M/I, as defined above, furnished to the contractor for performance of this Task Order at the end of the period of performance.

PART 4
CONTRACTOR ACQUIRED ITEMS AND SERVICES

4. Contractor Acquired Items and Responsibilities:

4.1 General: The contractor shall furnish all supplies, equipment, facilities and services required to perform work under this Task Order that are not listed under Part 3 of this PWS.

PART 5
SPECIFIC TASKS

5.1 TASKS

5.1.1 Concept CAD Models, FEA, M&S, Level II Drawing Sets, and Bill of Materials(BOM) In accordance with (IAW) section C.4.1.2.1.1(f) Applied Research Activities of the Statement of Work (SOW), the contractor shall perform the following:

5.1.1.1 Concept CAD Models

The contractor shall design one underbody CAD model and one floor CAD model based on concepts (provided by TARDEC at the SOWM) using the native CAD format and provide the models IAW CDRL A006; both models shall be based on readily available (with lead times not to exceed two weeks from the time the materials are ordered) and reasonably priced materials. The contractor shall design the underbody CAD model using 5083 Aluminum and shall design the floor CAD model using A36 Mild Steel.***** The contractor shall research flooring concepts to identify and develop the most efficient and effective solution compatible with the TARDEC GSS Flooring Evaluation Fixture provided by the Government at the SOWM. The contractor shall research underbody design concepts to identify, mature, and develop the TARDEC provided concepts into the most efficient and effective solution compatible with the TARDEC GSS Underbody Evaluation Fixture provided by the Government at the SOWM.

The contractor shall capture each concept in CAD to provide manufacturable designs consisting of the following: full system assembly; mass properties; material specifications; tolerances; dimensions; mass; manufacturing processes and details; fastener details; weld details; and quality assurance checks.

5.1.1.2 FEA and M&S Analysis

The contractor shall analyze accelerative blast load inputs and outputs of each CAD model concept and conduct FEA and M&S to predict the performance of blast and mobility loading concepts. The outputs shall include predictions of structural performance and change in velocity (i.e. delta-v) at various locations throughout the concept structures in its blast load reduction analysis. The baseline blast parameters the contractor shall use in its analysis will be provided by the Government at the SOWM. The modeling analysis shall be performed utilizing software capable of modeling high strain-rate blast events. The contractor shall provide the blast and mobility loading performance predictions as a result of output from FEA and M&S data to the Government at the Weekly Meeting (reference para 5.2.2, A001, A010, A011). Within two business days, the Government will determine which design parameters the contractor shall modify for subsequent design and analysis iterations for the underbody and the floor CAD models based on the information received during the weekly teleconference or any other ad-hoc meeting. The contractor shall continue its design and analysis iterations, and present its progress and results weekly (IAW para 5.2.2) until the Government determines the concepts are ready for the contractor to produce Level II Drawing Sets; the Government COR will make the determination for concept readiness based primarily on blast performance.

5.1.2 Level II Drawing Sets -- IAW Section C.4.1.2.14 -- Computer Aided Design Data Format and Submission -- of the SOW, the contractor shall perform the following:

The contractor shall produce two Level II Drawing Sets as a result of the CAD models developed IAW paragraph 5.1.1.1, after the Government COR provides written approval that the design concept meets the blast and mobility loading parameters. The Level II Drawing Sets shall be delivered IAW CDRL A007. The contractor shall indicate any and all manufacturing steps and assembly process(es) necessary for the fabrication of underbody structures and flooring designs in CDRL A005.

Developmental Level (Level II Technical Data Package (TDP)) drawing requirements are defined in the Department of Defense Standard Practice Technical Data Packages, MIL-STD-31000A, dated 2013.03.13.

5.1.3 Bill of Materials (BOM) -- IAW Section C.4.1.2.14 -- Computer Aided Design Data Format and Submission -- of the SOW, the contractor shall perform the following:

The contractor shall prepare and deliver IAW CDR 1A008 a BOM for each of the two Level II Drawing Sets created under para 5.1.2 (underbody and floor concepts) to be utilized for fabrication.

5.1.4 Final Report - IAW Section C.3.16 - Deliverables -- of the SOW, the contractor shall perform the following:

The contractor shall prepare a Final Report which details the work performed during the maturation and design of the concepts provided IAW CDRL A012.

5.1.5 Report Preparation - IAW Section C.3.16 - Deliverables -- of the SOW, the contractor shall perform the following:

5.1.5.1 The contractor shall prepare Weekly Situation Reports (SITREPs) IAW CDRL A001.

5.1.5.2 The contractor shall prepare Manufacturing Steps and Assembly Process IAW CDRL A005.

5.1.5.3 The contractor shall prepare 3-D CAD Models IAW CDRL A006.

5.1.5.4 The contractor shall prepare Modeling and Simulation (M&S) data IAW CDRL A010.

5.1.5.5 The contractor shall prepare FEA data IAW CDRL A011.

5.2 MEETINGS and Notifications IAW SOW paragraph C.3.15 Meetings the contractor shall perform the following:

5.2.1 Start of Work Meeting (SOWM)

The contractor shall conduct a SOWM within 10 business days after task order award. The meeting shall be held via teleconference and shall not exceed four hours. The contractor shall coordinate with the COR to schedule the date, time, and attendees. The contractor shall prepare Meeting Minutes within five calendar days of the SOWM IAW CDRL A003.

5.2.2 Weekly Meeting

The contractor shall conduct a weekly meeting via teleconference or web-conference. A meeting Agenda shall be prepared for each meeting IAW CDRL A004. The topics of the meetings include: discussion of potential design changes, review of the previous weeks FEA results, and discussion to promote design advancement. Minutes of each meeting shall be prepared IAW CDRL A003.

5.2.3 Preliminary Design Review (PDR) (20 percent Concept Design Review) Meeting

The contractor shall plan and conduct a PDR Meeting, via teleconference or web-conference, 40 business days after the SOWM. The purpose of this meeting is for the contractor to provide, IAW CDRL A002, its 20 percent completed concept designs for each of the one underbody structure and one flooring concept design developed IAW para 5.1.1. At this meeting, the contractor shall present its 3-D model review. The contractor shall provide Presentation Material(s) no later than five business days prior to the meeting IAW CDRL A002, Meeting Minutes within five calendar days of this meeting IAW CDRL A003, and Agendas within five calendar days IAW CDRL A004.

5.2.4 Complete Design Review (CDR) (80 percent Concept Design Review) Meeting

The contractor shall plan and conduct a CDR Meeting, via teleconference and web-conference, 75 business days after the SOWM. The purpose of this meeting is for the contractor to provide its 80 percent completed concept designs for each of the one underbody structure and one flooring concept designs developed IAW para 5.1.1. At this meeting, the contractor shall present its 3-D model review. The contractor shall provide Presentation Material(s) no later than five business days prior to the meeting IAW CDRL A002, Meeting Minutes within five calendar days of this meeting IAW CDRL A003, and Agendas within five calendar days IAW CDRL A004.

5.2.5 Ad Hoc Meeting(s)

The contractor may request a teleconference, videoconference, or face-to-face (with prior COR approval) meeting with the Government technical staff should the need for further information arise. The contractor shall submit all meeting requests through the Government COR and shall include with the request the following: topics for discussion, proposed date and time for the meeting, and estimated length of meeting. The COR will respond to the meeting request within two business days and either approve the requested date and time; or reject the proposal and recommend an alternate date and time. Once approved, the contractor shall be responsible for the meeting arrangements. The contractor shall prepare Meeting Minutes of any meetings held within five calendar days of the meeting IAW CDRL A003.

5.2.5.1 Progress Notification and Report

The contractor shall notify the COR immediately by telephone or, if unable to reach the COR by telephone by email, if the period of performance dates for design completion or completion of data to be delivered will not be met. The contractor shall follow up with a summary email to the COR no later than five (5) calendar days after the above notification IAW CDRL A003.

5.2.6 Design Review Presentation

The contractor shall deliver the draft Design Review Presentation no later than five (5) business days prior to the scheduled Concept Review Meeting IAW CDRL A002. The contractor shall deliver a final Design Review Presentation no later than five (5) business days after the scheduled Concept Review Meeting to include all changes discussed during the meeting.

5.3 UNEXERCIZED OPTIONS

5.3.1 Option 1 - Additional Concepts - IAW SOW Section C.4.1.2.1.1(f) - Applied Research Activities; the contractor shall perform the following:

5.3.1.1 Tasks

5.3.1.1.1 The contractor shall develop and provide detailed designs for up to two additional vehicle underbody concept drawings and up to two additional floor concept drawings (over and above those provided per 5.1.2 above). The additional concepts will be provided by the Government at the time of the Option 1 SOWM.

5.3.1.1.2 The contractor shall perform the same tasks as required by para 5.1.1, 5.1.2, 5.1.3, and 5.1.4; however, these tasks shall pertain to the up to two additional vehicle underbody concept drawings and up to two additional floor concept drawings IAW para 5.3.1.1.1.

5.3.1.2 Meetings

5.3.1.2.1 The contractor shall plan and conduct the meetings required by 5.2, including a SOWM; however, these meetings shall pertain to the two additional vehicle underbody concepts and two additional flooring concepts IAW para 5.3.1.1.1.

5.3.1.2.2 Ad Hoc Meeting(s)

The contractor may request a teleconference meeting with the Government technical staff should the need for further information arise. The contractor shall submit all meeting requests through the Government COR and shall include with the request the following: topics for discussion, proposed date and time for the meeting, and estimated length of meeting. The contractor shall prepare Meeting Minutes of any meetings held within five calendar days of the meeting IAW CDRL A003.

5.3.1.2.2.1 Progress Notification and Report

The contractor shall notify the COR immediately by telephone or, if unable to reach the COR by telephone by email, if the period of performance dates for design completion or completion of data to be delivered will not be met. The contractor shall follow up with a summary email to the COR no later than five (5) calendar days after the above notification IAW CDRL A003.

5.3.1.3 Deliverables

5.3.1.3.1 The contractor shall deliver the data as required by 7.3; however, this data shall pertain to the two additional vehicle underbody concepts and two additional flooring concepts IAW paragraph 5.3.1.1.1.

5.3.1.3.2 Final Report:

The contractor shall prepare a Final Report which details the work performed during the maturation and design of the concepts provided IAW CDRL A012.

5.3.2 Option 2 - Prototype Fabrication of the drawings developed during the Base Period - IAW SOW section C.4.1.2.3(d) - Prototype Fabrication the contractor shall perform the following:

5.3.2.1.1 The contractor shall fabricate prototypes of the detailed designs for one vehicle underbody and one flooring sub-system concepts that were designed IAW the base period (paragraphs 5.1.1, 5.1.2, and 5.1.3). Unless otherwise specified by the COR and bilaterally modified into the task order, the contractor shall fabricate the prototypes using A36 Mild Steel with the exception of the underbody hull and structure which shall be fabricated of 5083 Aluminum. The contractor shall fabricate two each of the underbody concept and three each of the floor concept developed under the base period (paragraphs 5.1.1, 5.1.2, 5.1.3) for a total of five assets.

5.3.2.2 Meetings

5.3.2.2.1 Ad Hoc Meeting(s)

The contractor may request a teleconference meeting with the Government technical staff should the need for further information arise. The contractor shall submit all meeting requests through the Government COR and shall include with the request the following: topics for discussion, proposed date and time for the meeting, and estimated length of meeting. The contractor shall prepare Meeting Minutes of any meetings held within five calendar days of the meeting IAW CDRL A003.

5.3.2.2.1.1 Progress Report

The contractor shall notify the COR immediately by telephone or, if unable to reach the COR by telephone by email, if the period of performance dates for design completion or completion of data to be delivered will not be met. The contractor shall follow up with a summary email to the COR no later than five (5) calendar days after the above notification IAW CDRL A003.

5.3.2.3 Deliverables

5.3.2.3.1 The contractor shall deliver a report IAW CDRL A005 which documents any deviations from the drawings and manufacturing/assembly processes developed during fabrication, no later than five business days after fabrication is complete. The report shall discuss why the deviation was needed, identify all part numbers affected by the change, provide new drawings and models, and identify any changes to manufacturing or assembly processes.

5.3.2.3.2 The contractor shall deliver two of each of the three floor concept assets fabricated IAW paragraph 5.3.2.1.1 to a location to be provided at time of option exercise. The contractor shall deliver one of the three flooring concept assets fabricated IAW paragraph 5.3.2.1.1 to TARDEC in Warren, MI. All assets shall be shipped FOB Destination.

5.3.2.3.3 The contractor shall deliver all two of the underbody concept assets fabricated IAW paragraph 5.3.2.1.1 to a location to be provided at time of option exercise. These assets shall be shipped FOB Destination.

5.3.2.3.4 The contractor shall deliver Fabrication Report(s) IAW CDRL A009.

5.3.2.3.5 The contractor shall prepare a Final Report which details the work performed during the maturation and design of the concepts provided IAW CDRL A012.

5.3.3 Option 3 - Prototype Fabrication of drawings developed during Option 1 - Additional Concepts - IAW SOW section C.4.1.2.3(d) - Prototype Fabrication the contractor shall perform the following:

5.3.3.1 Tasks

5.3.3.1.1 The contractor shall fabricate prototypes of the detailed designs for the two vehicle underbodies and two floor concepts that were designed IAW the Option period 1 (para 5.3.1). Unless otherwise specified by the COR, the contractor shall fabricate the prototypes using A36 Mild Steel with the exception of the underbody hull and structure which shall be fabricated of 5083 Aluminum. The contractor shall fabricate two each of the underbody concept developed and three each of the floor concept developed under Option Period 1 (para 5.3.1) for a total of up to ten assets.

5.3.3.2 Meetings

5.3.3.2.1 Ad Hoc Meeting(s)

The contractor may request a teleconference meeting with the Government technical staff should the need for further information arise. The contractor shall submit all meeting requests through the Government COR and shall include with the request the following: topics for discussion, proposed date and time for the meeting, and estimated length of meeting. The contractor shall prepare Meeting Minutes of any meetings held within five calendar days of the meeting IAW CDRL A003.

5.3.3.2.1.1 Progress Report

The contractor shall notify the COR immediately by telephone or, if unable to reach the COR by telephone by email, if the period of performance dates for design completion or completion of data to be delivered will not be met. The contractor shall follow up with a summary email to the COR no later than five (5) calendar days after the above notification IAW CDRL A003.

5.3.3.3 Deliverables

5.3.3.3.1 The contractor shall deliver a report IAW CDRL A005 which documents any deviations from the drawings and manufacturing/assembly processes developed during fabrication, no later than five business days after fabrication is complete. The report shall discuss why the deviation was needed, identify all part numbers affected by the change, provide new drawings and models, and identify any changes to manufacturing or assembly processes.

5.3.3.3.2 The contractor shall deliver four of the six floor concepts assets (two of each flooring concept) fabricated IAW para 5.3.3.1.1 to a location to be provided at time of option exercise. The contractor shall deliver two of the six flooring concept assets fabricated IAW para 5.3.3.1.1 to TARDEC in Warren, MI. These assets shall be shipped FOB Destination.

5.3.3.3.3 The contractor shall deliver all four of the underbody concept assets fabricated IAW para 5.3.3.1.1 to a location to be provided at time of option exercise. These assets shall be shipped FOB Destination.

5.3.3.3.4 The contractor shall deliver Fabrication Report(s) IAW CDRL A009.

5.3.3.3.5 The contractor shall prepare a Final Report which details the work performed during the maturation and design of the concepts provided IAW CDRL A012.

PART 6
APPLICABLE PUBLICATIONS

6. Applicable Publications (Current Editions)

6.1 The following local documents are applicable to this PWS and will be provided prior to the Start of Work meeting:

N/A

PART 7
TECHNICAL EXHIBIT/ATTACHMENT LISTING

7. Attachment/Technical Exhibit List:

7.1 Technical Exhibit 1 Performance Requirements Summary

7.2 Attachments:

This PWS incorporates the following attachments, which are attachments to the TS3 solicitation W56HZV-14-R-0032:

_____ Attachment _____

- Attachment 0011: TOR Attachment 2, Blast Mitigation CDRLs
- Attachment 0012: TOR Attachment 3, R&D Prime Proposal Summary File - Blast Mitigation

7.3 CDRLs / Deliverables:

The contractor shall provide the following:

TOPIC	CDRL
Weekly SITREPS	A001
Design Review Presentation	A002
Meeting Minutes	A003
Agenda	A004
Manufacturing Steps and Assembly Processes	A005
3-D CAD Models	A006
Developmental Design Drawings/Models and Associated Lists	A007
Bill of Materials (BOM)	A008
Fabrication Report	A009
Modeling & Simulation (M&S)	A010
FEA Reports	A011
Final Report	A012
Quality Control Plan (QCP)	A013

TECHNICAL EXHIBIT 1

Performance Requirements Summary

The contractor service requirements are summarized into performance objectives that relate directly to mission essential items. The performance threshold briefly describes the minimum acceptable levels of service required for each requirement. These thresholds are critical to mission success.

Performance Objective	Performance Indicator	Performance Threshold	Method of Surveillance
-----------------------	-----------------------	-----------------------	------------------------

PRS #1 Weekly SITREPs			
(PWS Para 5.1.1.2, 5.1.5.1, 7.3, A001)	Weekly SITREP is thorough, accurate, complete, and accepted IAW the DID and the Government schedule provided by	95% accuracy and completeness with first draft. 100% accuracy with one	100% inspection of deliverables

the COR. correction/rewrite.

 PRS #2 Design Review Presentation

(PWS Para 5.2.3, 5.2.4, 5.2.6, 7.3, A002	Presentation material contains required information and is accurate, complete and accepted IAW the DID and the Government schedule provided by the COR.	95% accuracy and completeness with first draft. 100% accuracy with one correction/rewrite.	100% inspection of deliverables
---	---	---	--

 PRS #3 Meeting Minutes

(PWS Para 5.2.1, 5.2.2, 5.2.3, 5.2.4, 5.2.5, 5.3.1.2.2, 5.3.2.2.1, 7.3 5.3.3.2.1, A003)	Meeting minutes contain an accurate record of discussions, tasks, and due dates IAW the DID within three business days after Date of meeting.	95% accuracy and completeness with first draft. 100% accuracy with one correction/rewrite.	100% inspection of deliverables
---	--	---	--

 PRS #4 Agenda

(PWS Para 5.2.2, 5.2.3, 5.2.4, 7.3, A004	Conference Agenda is accurate, indicates all tasks, due dates, and is provided 5 calendar days prior to conference.	95% accuracy and completeness with first draft. 100% accuracy with one correction/rewrite.	100% inspection of deliverables
--	--	---	--

Provided at least

5 calendar days prior
to conference 80% of
the time.

Provided at least 2
calendar days prior
to conference 100% of
the time.

 PRS#5 Manufacturing Steps and Process

(PWS Para 5.1.2, 5.1.5.2, 5.3.2.3.1, 5.3.3.3.1, 7.3, A005)	Manufacturing Steps and Processes are accurate, complete, and accepted IAW the DID and the Government schedule provided by the COR.	95% accuracy and completeness with first draft. 100% accuracy with one correction/rewrite.	100% inspection of deliverables
--	---	---	--

 PRS #6 3-D CAD

(PWS Para 5.1.1.1, 5.1.5.3, 7.3, A006)	3-D CAD and .stp files contain required information, is accurate, complete, and is	95% accuracy and completeness with first draft. 100% accuracy	100% inspection of deliverables
---	--	--	--

accepted IAW the DID with one
and the Government correction/rewrite.
schedule provided by
the COR.

3-D CAD is
Manufacturing and
assembly feasible.

PRS #7 Developmental Design Drawings/Models and Associated Lists

(PWS Para Level II drawings 95% accuracy and 100%
5.1.2, 7.3, are accurate, completeness inspection
A007) complete, and with first draft. of
Accepted IAW the DID deliverables
And the Government 100% accuracy
Schedule provided by with one
The COR. correction/rewrite.

Final Level II
Drawings are
Accurate, complete,
Updated with changes
Identified in
Manufacturing report,
And accepted IAW the DID

And the Government
Schedule provided by the
COR.

PRS #8 Bill of Materials (BOM)

(PWS Para All BOM documents 95% accuracy and 100%
5.1.3, 7.3, are accurate, completeness inspection
A008) complete, and with first draft. of
consistent with deliverables
Level II drawings, 100% accuracy
and accepted IAW with one
the DID and Government correction/rewrite.
schedule provided by
the COR.

All BOM materials
are verified to be
readily available and
low cost materials.

PRS #9 Fabrication Report

(PWS Para Fabrication Report 95% accuracy, 100%
5.3.2.3.4, is accurate, completeness, and inspection
5.3.3.3.4, complete, and consistency of
7.3, A009) consistent with between final deliverables
Fabricated product, fabricated product,
and documents all Level II drawings,
deviations from Level and Fabrication
II drawings IAW the Report.
DID and the Government
schedule provided by 100% accuracy,
the COR. completeness, and
consistency
between final

fabricated product,
Level II drawings,
and Fabrication
Report.

PRS #10 Modeling & Simulation Results

(PWS Para 5.1.1.2, 5.1.1.4, 7.3, A010)	Modeling & Simulation Results are accurate, complete, and provided on time per tasks and due dates identified in meetings, reviews or conferences.	95% accuracy and completeness with first draft. 100% accuracy with one correction/rewrite.	100% inspection of deliverables
---	--	---	--

PRS #11 Finite Element Analysis (FEA)

(PWS Para 5.1.1.2, 5.1.5.5, 7.3, A011)	FEA results are accurate, complete, and provided on time per tasks and due dates identified in meetings, reviews or conferences.	95% accuracy and completeness with first draft. 100% accuracy with one correction/rewrite.	100% inspection of deliverables
---	--	---	--

PRS #12 Final Report

(PWS Para 5.1.5.4, 7.3, A012)	Final Report contains required information and is accurate, complete, and accepted IAW the DID and the Government schedule provided by the COR.	95% accuracy and completeness with first draft. 100% accuracy with one correction/rewrite.	100% inspection of deliverables
-------------------------------------	--	---	--

*****Change pursuant to Amendment 0007